

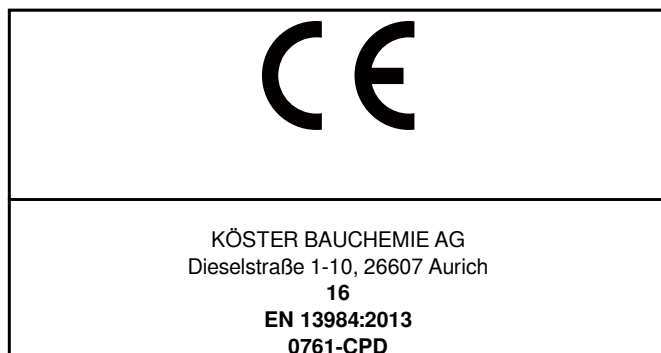


## KÖSTER Vapor Barrier acc. to DIN 18234

Technical Data Sheet RT 920 075 C

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### Self-adhesive aluminum vapor barrier membrane according to DIN 18234



#### Features

Vapor barrier membrane made of reinforced aluminum composite foil with a self-adhesive layer on the bottom, and finger lift on both sides for quick installation due to 1.58 m width. A high sd value, fast and safe installation, low weight per unit area, and high resistance to penetration characterize it. The requirements of DIN 18234 for "structural fire protection of large-area roofs" are met.

#### Technical Data

Top side	Aluminum composite film cross laminated
Bottom side	Self-adhesive layer covered with foil
Length	50 m
Width	1.58 m
Thickness	0.20 mm
Fire behavior	Class E
Resistance to impact load	150 mm tight
Durability after artificial aging	Passed
Durability against chemicals	Passed
Tear resistance (nail shaft)	longitudinal: $\geq 90$ N transverse: $\geq 100$ N
Shear resistance of the joint seam	$\geq 150$ N/50 mm
Watertightness	Watertight
Calorific value	$< 10.500$ kJ/m <sup>2</sup>
Sd - Value	$\geq 1500$ m
Tensile elongation at maximum tensile strength	longitudinal: $\geq 400$ N/50 mm transverse: $\geq 250$ N/50 mm
Elongation at maximum tensile strength	longitudinal: $\geq 30$ % transverse: $\geq 25$ %

#### Fields of Application

The KÖSTER low fire load Vapor Barrier is a self-adhesive vapor barrier membrane for use on trapezoidal sheets. The seam is sealed by the self-adhesive layer of the vapor barrier membrane.

#### Substrate

The substrate must be load-bearing, free of loose particles and other and other adhesion-reducing substances, e.g. oil, grease or dust. If

necessary, the substrate must be primed with KÖSTER TPO SK Primer as a bonding bridge.

When connecting the vapor barrier to rising structural elements made of concrete or aerated concrete, we recommend priming with KÖSTER TPO SK Primer to improve adhesion.

In case of doubt, consult KÖSTER Application Technology.

#### Application

The application of KÖSTER TPO Roofing and Waterproofing Membranes and KÖSTER Vapor Barrier are applied according to the installation instructions and the technical manual of KÖSTER BAUCHEMIE AG.

The KÖSTER Vapor Barrier acc. to DIN 18234 must be installed parallel to the trapezoidal sheets. In doing so, the protective foil on the underside must be removed and the KÖSTER Vapor Barrier adhered to the substrate.

The longitudinal seams must be placed on the top chords of the metal sheets. The transverse seams should be made on suitable auxiliary supports, e.g. sheet metal strips. The overlap of the seams must be at least 8 cm. In the seam area, the film should be additionally pressed on with a roller after bonding.

#### Packaging

RT 920 075 C 1580 mm x 50 m, 79 m<sup>2</sup> roll

#### Related products

KÖSTER ECB 2.0	Prod. code RE 820
KÖSTER TPO 1.5	Prod. code RT 815
KÖSTER TPO 1.8	Prod. code RT 818
KÖSTER TPO 2.0	Prod. code RT 820

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

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